

PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/805,853
Filing Date	10/15/2003
First Named Inventor	Chuan-Pei Yu
Art Unit	2825
Examiner Name	Han, Jason
Attorney Docket Number	AUOP0022USA

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
		Country Code* ¹ Number* ² Kind Code* ³ (if known)	MM-DD-YYYY			
	1	JPN 2002-298629	10/11/2002	NICHIA CHEM IND LTD		+
	2	JPN 09-304623	11/28/1997	ENPLAS CORP et al.		+

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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SEP 07 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Chuan-Pei Yu and Kelly Wei

5 Filing Date: 10/15/2003

Art Unit: 2875

Serial No.: 10/605,653

Docket No.: AUOP0022USA

10 Title: BACKLIGHT MODULE

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

15

Subject: Information disclosure statement under 37C.F.R. §1.56.

Dear Sir,

20 This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 CFR §1.56. The applicant wishes to make of record the documents listed on the accompanying form PTO/SB/08.

25 Since this IDS is filed accompany with a request for continued examination (RCE) under § 1.114 but before the mailing of a first Office action after the filing of a RCE, consideration of the information disclosure statement is hereby requested according to 37 CFR §1.97(b)(4). That each item of information contained in the information disclosure statement was first cited in an Office communication mailed on

30 June 16, 2005 for the counterpart Japan patent application No. 2003/408515, which are no more than three months prior to the filing of the information disclosure statement.

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30 June 16, 2005 for the counterpart Japan patent application No. 2003/408515, which are no more than three months prior to the filing of the information disclosure statement.

According to the requirement set forth in 37 CFR §1.98, the applicant is submitting a copy of the cited Japan patent 2002-298629 A (published Oct. 11, 2002) and Japan patent H09-304623 A (published Nov. 28, 1997). Accordingly, the English-language title and abstract of Japan patent 2002-298629 A and Japan patent H09-304623 A are listed as follows:

Japan patent 2002-298629 A

10

Title:

LIGHT EMITTING DEVICE

Abstract:

15 PROBLEM TO BE SOLVED: To provide a flat light emitting device with excellent uniformity enabled to emit the light with high brightness.

SOLUTION: The light emitting device comprises a light guide plate (2) having an upper surface and a lower surface facing each other, and at least one LED element (1), and makes the light from the LED element enter into the light guide plate at its lower surface and get out from the upper surface of the light guide plate. Concavities (4) facing respective LED elements are formed on the upper surface of the light guide plate, and the concavities are formed so as to gradually broaden as it comes near to the upper surface.

25

Japan patent H09-304623 A

Title:

SURFACE LIGHT SOURCE DEVICE

30

Abstract:

PROBLEM TO BE SOLVED: To decrease the total thickness of a

surface light source device and to reduce unnatural nonuniform luminance of the emitted light by forming a light transmitting plate wherein fine particles are dispersed and incorporated and promoting the emission of an illuminating light by the light quantity correcting face
5 formed on a part or the whole of the emitting face except the part directly above the light source.

SOLUTION: A light scattering and transmitting plate 12 is formed by injection-molding a specified resin, and a resin wherein illuminating light diffusing particles are dispersed and incorporated in a matrix
10 consisting of polymethyl methacrylate, for example, is appropriately used. This fine particle is a light transmitting fine particle (silicone-resin fine particle) having a refractive index different from that of the matrix. Further, a light quantity correcting face M1 promoting the emission of an illuminating light is formed on the light
15 scattering and transmitting plate 12 at almost the central part between fluorescent lamps 3A and 3B except the part directly above the lamps 3A and 3B. The correcting face M1 is formed by repeating the same repeating shape having a slope orthogonal to the extending direction of the lamps 3A and 3B.

20

According to the requirement set forth in 37 CFR §1.98, the applicant is submitting copies of the cited Japan patent H10-082915 A (published Mar 31, 1998) and a concise explanation of the relevance in this application hereinafter.

25

Referring to Fig.2, the cited Japan patent H10-082915 A provides a surface light source equipment 11 including a light source 12, a light guide plate 13, a depression 14, light-scattering dots 15 formed on the surface of the light guide plate 13, and a reflective sheet 22. It is
30 appreciated that the light-scattering dots 15 are formed on the bottom surface of the light guide plate 13 by dot printing.

Claim 1 of the present invention has been amended in the RCE submitted together with this IDS. The amended claim 1 is repeated here for reference.

5

Claim 1 (currently amended): A backlight module comprising:

a plurality of point light source generators, the point light source generators being light emitting diodes (LEDs);

10 a diffusing plate installed atop the plurality of point light source generators for scattering the light generated by the plurality of point light source generators, the diffusing plate further comprising a plurality of scattering particles formed inside the diffusing plate to uniform the light generated by the point light source generators;

15 a plurality of scattering apertures installed on the surface of the diffusing plate opposite to the plurality of point light source generators, wherein a scattering pattern is disposed over the inner wall of at least one scattering aperture; and

20 a diffusing sheet installed above the diffusing plate for diffusing the light emitted from the diffusing plate;

wherein the number of the scattering apertures correspond to the number of the point light source generators, and the position of each scattering aperture corresponds to the position of each point light source generator.

25

In comparison with Japan patent H10-082915 A, the scattering particles of the present application are disposed inside the diffusing plate. On the contrary, the light-scattering dots of the cited prior art are formed on the surface of the light guide plate by dot printing. Therefore,

30 Claim 1 of the present application is distinct from the cited prior art.

Claim 17 of the present invention has been added in the RCE

submitted together with this IDS. The new claim 1 is listed here for reference.

Claim 17 (new): A direct type backlight module comprising:

- 5 a plurality of point light source generators;
- a diffusing plate installed atop the plurality of point light source generators for scattering the light generated by the plurality of point light source generators, the diffusing plate further comprising a plurality of scattering particles formed inside
- 10 the diffusing plate to uniform the light generated by the point light source generators;
- a plurality of scattering apertures installed on the surface of the diffusing plate facing the plurality of point light source generators, wherein a scattering pattern is disposed over the
- 15 inner wall of at least one scattering aperture; and
- a diffusing sheet installed above the diffusing plate for diffusing the light emitted from the diffusing plate.

Claim 17 also includes the limitation "the diffusing plate further

20 comprising a plurality of scattering particles formed inside the diffusing plate to uniform the light generated by the point light source generators". Thus, claim 17 is distinct from the cited prior art.

It is respectfully requested that the examiner can consider the

25 document(s) listed on the accompanying form PTO/SB/08 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

30

Respectfully submitted,

Winston Hsu

Date: September 7, 2005

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- 10 Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)